

ABSTRACT

A method of producing concentration cells applicable to generating electricity. An external field is used to cause a translational displacement of small-volumed concentration differences that are existent within a heterogeneous fluid, to create a concentration cell between various electrodes in contact with the fluid. The field can be gravitational, magnetic, electric, or a combination. In some embodiments, field sources are preset to focus the displacement of the small volumes near localized regions surrounding preselected electrodes.

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